



6432

BOARD DIPLOMA EXAMINATION, (C-16)

MARCH / APRIL — 2021

DCME — FOURTH SEMESTER EXAMINATION

SOFTWARE ENGINEERING

Time : Three Hours]

[Maximum Marks : 80

PART-A

3×10=30

- Instructions :**
- (i) Answer **all** questions.
 - (ii) Each question carries **three** marks.
 - (iii) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define Software Engineering.
2. List any three items in SPMP document.
3. Write about two metrics used for project size estimation.
4. What are the job responsibility of a Project Manager ?
5. Write about the example of bad SRS document.
6. Briefly write about how to gather requirements of a project.
7. Write a short note on code walkthrough.
8. Differentiate between Function Oriented Design (FOD) and Object Oriented Design (OOD).
9. What is the use of Program analysis tools ?
10. Differentiate between Hardware reliability and Software reliability.

- * **Instructions :**
- (i) Answer any **five** questions.
 - (ii) Each question carries **ten** marks.
 - (iii) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain prototyping software development life cycle model.
12. Explain the Risk management in Software development.
13. (a) Explain Gantt charts.
(b) Explain PERT charts.
14. Explain the documentation of the functional requirements and traceability.
15. Define Debugging and explain four Debugging approaches.
16. (a) Explain white box testing.
(b) Explain black box testing.
17. (a) Write about coding standards.
(b) What are the characteristics of good user interface ?
18. Write about six reliability metrics to express the reliability of a Software product.

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